

ABSTRACT OF THE DISCLOSURE

The invention discloses a method and device for data-flow protection of an optical interface in data communication equipment. First, receiving an optical-signal from a source-neighboring device, then duplicating the received optical signal into two duplicated optical signals. One of them is sent to a protected device for processing. According to the protected device working status, either the optical signal having been processed by the protected device or the second duplicated optical signal is selected and sent to a destination-neighboring device. The device of the invention includes a first optical-signal duplicating unit and an optical-signal selecting unit. The first optical-signal duplicating unit is used for duplicating an optical signal, and the optical-signal selecting unit is used as a selector. The method and device proposed by the invention are independent to network topology and can protect data-flow reliably. The method and device can be used for applications that are sensitive for break time or is strict for routing in order to guarantee data security.